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Amendments to the Claims:

This claim listing replaces all prior versions, and listings of claims in the application. Please amend the claims as follows:

1. (Currently amended) A template-fixed β-hairpin mimetic of the general formula

wherein

the two Cys residues are bridged by a disulfide bond thereby forming a cyclic peptide; R^1 and R^2 are

A-B and B-C; or B-A and C-B; or C-B and B-A; or B-C and A-B; or C-A and C-A; or A-C and A-C; or C-A and C-B; or B-B and C-B; or B-B and B-C; or A-B and C-C; or B-A and C-C; or C-B and B-B; or B-C and B-B; or C-C and B-A; or C-C and A-B; or B-B and C-C; or C-C and B-B; or A-C and B-C; or C-B and C-A; or B-C and A-C; or A-C and A-B; or B-A and C-A; A-A and C-C; or C-C and A-A:

or A-B-C and A-B-C; or B-A-B and B-C-B; or B-C-B and B-A-B; or A-B-B and B-B-C; or C-B-B and B-B-A; or A-C-B and B-A-C; or C-A-B and B-C-A; or B-A-B and B-C-C; or B-C-B and B-A-C; or C-C-B and B-B-A; or C-C-B and B-B-A; or C-C-B and B-A-B, or C-B-B and C-C-A; or A-C-C and B-B-C; or B-C-C and B-A-B; or B-C-C and B-A-C; or A-B-B and B-C-C; or B-A-B and C-C-B; or B-C-C and B-B-B; or A-B-B and C-C-B; or B-C-C and B-B-B; or A-B-C and B-B-C; or C-B-B and B-B-B; or A-B-C and A-C-C; or C-C-A and C-B-A; or B-A-C and A-C-B; or B-C-A and C-A-B; or C-B-A and C-B-A; or A-A-B and B-C-C; or C-C-B and B-B-C; or B-B-C and A-C-C; or B-B-C and B-B-B; or B-A-C and B-C-C; or C-C-B and C-A-B; or C-C-B and C-B-A; or A-B-C and B-C-C; or C-C-B and B-B-B; or B-C-B; or B-C-B and B-B-C; or C-B-B and B-C-B; or B-C-B; or B-C-B and B-B-B; or B-C-B; or B-C-B and B-C-B; or C-B-B and B-C-B; or C-B-B and C-B-B; or B-B-B and B-C-B; or C-B-B and C-B-B; or C-C-A, or A-A-C and A-C-C; or C-C-A and C-A-A; or A-A-C and A-C-C; or C-C

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C-B; or B-C-A and C-A-A; or A-A-C and B-C-C; or C-C-B and C-A-A; or A-A-B and C-C-B; or B-C-C and B-A-A; or A-B-A and C-B-C; or C-B-C and A-B-A; or A-B-B and C-B-C; or C-B-C and A-B-B; or B-A-A and C-C-B; or B-C-C and A-A-B; or B-B-A and C-B-B; or B-B-C and A-B-B; or B-B-A and C-B-B; or B-C-A and C-B-B; or B-C-A and C-B-B; or B-C-B and C-B-B; or B-C-B and C-B-B; or B-A-C and B-C-B; or B-C-B and C-B-B; or B-A-C and A-C-B; or B-A-C and C-C-A; or C-C-A and C-A-B; or B-A-C and B-C-C; B-C-C and A-A-C; or C-A-A and C-C-B; or C-B-A and C-C-B; or B-C-C and A-B-C; or C-B-B and C-C-B; or C-B-B; or C-B-B and C-C-B; or C-C-B and C-C-B-B; or C-C-B and C-C-B-C; or C-C-B and C-B-B; or C-C-B and C-C-B-C; or C-C-B and C-B-B-C; or C-C-B and C-B-B-C; or C-C-B and C-B-B-C; or C-C-B and C-B-B-C; or C-C-B and C-B-C; or A-C-C-B and B-B-C; or A-C-C-B-C-B-C; or A-C-C-B-C-B-C; or A-C-C-B-C-B-C; or A-C-C-B-C-B-C; or A-C-C-B-C-B-C; or A-C

A being any one of Asn, Gln, Asp, Glu, Thr, Ser and Gly;

B being any one of Val, Ile, Ser, Thr, Phe, Tyr, Trp and Gly; and

C being any one of Arg, Lys and Gly; and

Z is a chain of n amino acid residues with n being an integer form 4 to 20 and with each of these n amino acid residues being, independently, derived from any naturally occurring L- α -amino acid, and wherein the template consisting of R^1 , R^2 and the disulfide-bridged cysteines stabilizes the antiparallel β -sheet conformation of Z.

(Original) A compound according to claim 1 wherein R¹ and R² are
Glu-Thr and Thr-Lys; or Lys-Thr and Thr-Glu; or
Thr-Glu and Lys-Thr; or Thr-Lys and Glu-Thr; or
Leu-Glu and Lys-Val; or Val-Lys and Glu-Leu; or
Glu-Leu and Val-Lys; or Lys-Leu and Val-Glu; or
Asn-Gly and Lys-Val; or Val-Gly and Lys-Asn; or
Gly-Asn and Val-Lys; or Gly-Val and Asn-Lys; or
Gly-Gly and Gly-Gly; or

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Glu-Leu-Lys and Glu-Val-Lys; or Lys-Val-Glu and Lys-Leu-Glu; or Leu-Glu-Lys and Glu-Lys-Val; or Val-Lys-Glu and Lys-Glu-Leu; or Glu-Lys-Leu and Val-Glu-Lys; or Lys-Glu-Val and Leu-Lys-Glu; or Lys-Glu-Leu and Val-Lys-Glu; or Glu-Lys-Val and Leu-Glu-Lys; or Lys-Val-Gly and Gly-Leu-Glu; or Glu-Leu-Gly and Gly-Val-Lys; or Val-Lys-Gly and Gly-Glu-Leu; or Leu-Glu-Gly and Gly-Lys-Val; or Val-Gly-Lys and Glu-Gly-Leu; or Leu-Gly-Glu and Lys-Gly-Val; or Gly-Gly-Gly and Gly-Gly-Gly-Gly.

3. (Previously presented) A compound according to claim 1 wherein Z contains

-Arg-Gly-Asp-,

-Glu-Leu-Arg-,

-Arg-Lys-Lys- or

-Lys-Gly-Phe-

or consists of, or contains

-Val-Arg-Lvs-Lvs-[SEO ID NO:1].

-Lys-Lys-Tyr-Leu- [SEQ ID NO:2],

-Trp-Leu-Asp-Val- [SEQ ID NO:3],

-Tyr-Ile-Arg-Leu-Pro- [SEQ ID NO:4],

-Tyr-Ile-Gly-Ser-Arg- [SEQ ID NO:5],

-Ile-Lys-Val-Ala-Val- [SEQ ID NO:6],

-Pro-Pro-Xaa-Xaa-Trp- [SEQ ID NO:7] wherein Xaa can be residues of any naturally occurring L-α-amino acids,

-Leu-Trp-Tyr-Ser-Asn-His-Trp-Val- [SEQ ID NO:22],

-Lys-Trp-Phe-Ser-Asn-His-Tyr-Gln- [SEQ ID NO:23],

-Phe-Leu-Ala-His-Tyr-Ala- [SEQ ID NO:24] or

-Leu-Trp-Tyr-Ser-Asn-His-Trp-Val-Lys-Trp- [SEQ ID NO:25].

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4. (Previously presented) A library of template-fixed $\beta\text{-hairpin}$ mimetics comprising a

plurality of compounds according to claim 1.

5. (Original) A library according to claim 4 wherein the template fixed β -hairpin mimetics

are fused to at least a portion of phage coat protein, and the template fixed $\beta\text{-hairpin}$ mimetics

are displayed on the surface of a phage or phagemid particle.

6. (Previously presented) A method of screening for template fixed hairpin β -mimetics

having a template that conformationally stabilizes a \beta-hairpin and which is capable of binding to

a specific binding partner comprising the steps of

a) providing a library of template fixed β-hairpin mimetics according to claim 4;

b) contacting the library of step a) with a binding partner;

c) selecting from the library peptides capable of forming a non-covalent complex with the

binding partner; and

d) optionally isolating the peptides or determining of sequence by DNA-analysis of step c).

7. (Original) A method according to claim 6 wherein the binding partner is selected from

the group consisting of an antibody, an enzyme, a receptor and a ligand.

8. (Previously presented) A peptide which has been determined and optionally isolated by

the process according to claim 6.

9. (Original) A synthetic peptide having a structure which is identical to the structure of the

peptide according to claim 8.

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10. (Previously presented) A compound according to claim 2 wherein Z contains

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-Arg-Gly-Asp-,
-Glu-Leu-Arg-,
-Arg-Lys-Lys- or
-Lys-Gly-Phe-
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or consists of, or contains

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-Val-Arg-Lys-Lys- [SEQ ID NO:1],
-Lys-Lys-Tyr-Leu- [SEQ ID NO:2],
-Trp-Leu-Asp-Val- [SEQ ID NO:3],
-Tyr-Ile-Arg-Leu-Pro- [SEQ ID NO:4],
-Tyr-Ile-Gly-Ser-Arg- [SEQ ID NO:5],
-Ile-Lys-Val-Ala-Val- [SEQ ID NO:6],
-Pro-Pro-Xaa-Xaa-Trp- [SEQ ID NO:7] wherein Xaa can be residues of any naturally occurring L-α-amino acids,
-Leu-Trp-Tyr-Ser-Asn-His-Trp-Val- [SEQ ID NO:22],
-Lys-Trp-Phe-Ser-Asn-His-Tyr-Gln- [SEQ ID NO:23],
-Phe-Leu-Ala-His-Tyr-Ala- [SEQ ID NO:24] or
-Leu-Trp-Tyr-Ser-Asn-His-Trp-Val-Lys-Trp- [SEO ID NO:25].
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- (Previously presented) A library of template-fixed β-hairpin mimetics comprising a plurality of compounds according to claim 2.
- 12. (Previously presented) A library according to claim 11 wherein the template fixed β -hairpin mimetics are fused to at least a portion of phage coat protein, and the template fixed β -hairpin mimetics are displayed on the surface of a phage or phagemid particle.
- 13. (Previously presented) A library of template-fixed β -hairpin mimetics comprising a plurality of compounds according to claim 3.

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14. (Previously presented) A library according to claim 13 wherein the template fixed β -hairpin mimetics are fused to at least a portion of phage coat protein, and the template fixed β -hairpin mimetics are displayed on the surface of a phase or phagemid particle.